

1 **WHAT IS CLAIMED IS:**

2 1. An adjustable lighting apparatus having a flexible arm and a fully
3 rotatable head, wherein
4 the flexible arm has a power connector on one end and a terminal fitting on
5 another end, wherein a circular socket is attached to an open end of the terminal
6 fitting;

7 the head has a lighting element installed therein and a plug-in portion at one
8 end for insertion into the circular socket on the terminal fitting of the flexible
9 arm.

10 2. The adjustable lighting apparatus as claimed in claim 1, wherein the
11 circular socket attached to the open end of the terminal fitting has a first metal
12 ring on inside wall of the circular socket, and a metal pin in the center,

13 3. The adjustable lighting apparatus as claimed in claim 1, wherein the
14 plug-in portion of the head has a slot to accommodate a metal cylinder on inside
15 wall of the slot, and a second metal ring on outside wall of the slot.

16 4. The adjustable lighting apparatus as claimed in claim 2, wherein the
17 first and second metal rings, fully in contact with each other, representing the
18 positive electrode, and the metal cylinder and the metal pin, also fully in contact
19 with each other, representing the negative electrode, when joined together, are
20 able to establish the necessary electrical contact for actuating the lighting
21 element.

22 5. The adjustable lighting apparatus as claimed in claim 3, wherein the
23 first and second metal rings, fully in contact with each other, representing the
24 positive electrode, and the metal cylinder and the metal pin, also fully in contact

1 with each other, representing the negative electrode, when joined together, are
2 able to establish the necessary electrical contact for actuating the lighting
3 element.

4 6. The adjustable lighting apparatus as claimed in claim 2, wherein the
5 first and second metal rings, fully in contact with each other, representing the
6 negative electrode, and the metal cylinder and the metal pin, also fully in contact
7 with each other, representing the positive electrode, when joined together, are
8 able to establish the necessary electrical contact for actuating the lighting
9 element.

10 7. The adjustable lighting apparatus as claimed in claim 3, wherein the
11 first and second metal rings, fully in contact with each other, representing the
12 negative electrode, and the metal cylinder and the metal pin, also fully in contact
13 with each other, representing the positive electrode, when joined together, are
14 able to establish the necessary electrical contact for actuating the lighting
15 element.